

California Regional Water Quality Control Board, San Diego Region

November 21, 2016

In reply refer to:
257591:BBushnell

Mr. Brennon Flahive
Director of Environmental Compliance
South Orange County Wastewater Authority
34156 Del Obispo Street
Dana Point, CA 92629

Subject: Review of Monitoring Reports for South Orange County Water Authority

Mr. Flahive

The California Regional Water Quality Control Board San Diego Region (San Diego Water Board) has reviewed the January 2015 through September 2016 monthly monitoring reports, the January-March 2015, April-June 2015, July-September 2015, and October-December 2015, January-March 2016, April-June 2016, July-September 2016 quarterly monitoring reports, the January-June 2015, July-December 2015, January-June 2016 semiannual monitoring reports and the 2015 annual monitoring report submitted by the South Orange County Wastewater Authority (SOCWA) in accordance with the Monitoring and Reporting Program of Order No. 97-52.

Violations of Section A.1 (Discharge Specifications) of Order No. 97-52 identified in the monitoring reports are listed below:

- 1. The 12-month average discharge specification for manganese, established at 0.05 milligrams per liter (mg/L), was exceeded on the following dates:

Table with 4 columns: Indexing Letter, Facility, Date, Value in mg/L. Rows A through J detailing violations at RTP and CTP facilities.

HENRY ABARBANEL, Ph.D., CHAIR DAVID GIBSON, EXECUTIVE OFFICER

Indexing Letter	Facility	Date	Value in mg/L
K	RTP	November 3, 2015	0.06
L	CTP	December 1, 2015	0.06
M	RTP	December 1, 2015	0.06
N	RTP	January 4, 2016	0.06
O	CTP	February 9, 2016	0.06
P	3A Treatment Plant (3A)	February 9, 2016	0.06
Q	RTP	February 11, 2016	0.06
R	RTP	March 1, 2016	0.06
S	CTP	March 1, 2016	0.06
T	3A	April 7, 2016	0.06
U	RTP	April 14, 2016	0.06
V	CTP	April 14, 2016	0.06
W	RTP	May 10, 2016	0.06
X	CTP	May 10, 2016	0.06
Y	RTP	June 14, 2016	0.06
Z	CTP	June 14, 2016	0.06
AA	RTP	July 5, 2016	0.06
AB	CTP	July 5, 2016	0.06
AC	3A	July 22, 2016	0.06
AD	RTP	August 2, 2016	0.06
AE	CTP	August 2, 2016	0.06
AF	RTP	September 13, 2016	0.06
AG	CTP	September 13, 2016	0.06
AH	3A	September 16, 2016	0.06

2. The daily maximum discharge specification for manganese, established at 0.06 mg/L, was exceeded on the following dates:

Indexing Letter	Facility	Date	Value in mg/L
A	CTP	March 31, 2015	0.07
B	CTP	May 6, 2015	0.07
C	RTP	May 6, 2015	0.07
D	CTP	July 1, 2015	0.07
E	CTP	August 4, 2015	0.07
F	CTP	September 1, 2015	0.07
G	CTP	October 6, 2015	0.07
H	CTP	November 3, 2015	0.07
I	RTP	January 4, 2016	0.07
J	3A	February 9, 2016	0.07
K	RTP	February 11, 2016	0.07

3. The 12-month average discharge specification for Total Dissolved Solids (TDS), established at 1000 mg/L, was exceeded on the following dates:

Indexing Letter	Facility	Date	Value in mg/L
A	Chiquita Water Reclamation Facility (Chiquita)	February 5, 2015	1012
B	Chiquita	March 26, 2015	1013
C	3A	April 21, 2015	1033
D	Chiquita	April 21, 2015	1023
E	Chiquita	May 5, 2015	1017
F	Chiquita	June 8, 2015	1005
G	Chiquita	July 15, 2015	1006
H	Chiquita	August 15, 2015	1007
I	Chiquita	September 15, 2015	1009
J	Robinson Ranch Water Reclamation Plant (RR)	October 26, 2015	1020
K	RR	November 19, 2015	1010
L	RR	December 23, 2015	1010
M	RTP	September 13, 2016	1041

4. The daily maximum discharge specification for TDS, established at 1100 mg/L, was exceeded on the following dates:

Indexing Letter	Facility	Date	Value in mg/L
A	Chiquita	January 15, 2015	1110
B	RTP	April 14, 2015	1110
C	Nichols Institute Water Reclamation Facility	April 7, 2016	1110
D	RTP	July 5, 2016	1130

5. The seven day median discharge specification for total coliform, established at 2.2 Most Probable Number per 100 milliliters (MPN/100mL), was exceeded on the following dates:

Indexing Letter	Facility	Date	Value in Most Probable Number per 100 milliliter (MPN/100mL)
A	RTP	July 15, 2015	5
B	RTP	July 16, 2015	5
C	RTP	July 17, 2015	5
D	RTP	July 18, 2015	5

6. The total coliform concentration exceeded 23 MPN/100 mL more than once in a 30 day period on the dates listed below:

Indexing Letter	Facility	Date	Value in MPN/100mL
A	Chiquita	May 16, 2015	70
B	RTP	July 14, 2015	26

Indexing Letter	Facility	Date	Value in MPN/100mL
C	RTP	July 15, 2015	240
D	Oso Creek Water Reclamation Plant (Oso Creek)	April 24, 2016	70
E	RR	September 16, 2015	>1,600

7. No total coliform results were reported for January 21, 2016 for effluent from the Chiquita Water Reclamation Plant. Section B.1 of the Monitoring Program of Order No. 97-52 specifies that effluent samples shall be collected daily from all treatment facilities listed in Order No. 97-52 and analyzed for total coliform bacteria.
8. In addition, the total coliform bacteria concentration exceeded 240 MPN/100mL as shown in the table below. Pursuant to section 60301.230 (b) of Title 22 of the California Code of Regulations (Title 22), the total coliform bacteria concentration of disinfected tertiary recycled water shall not exceed 240 MPN/100mL. Section A.6 of Order No. 97-52 specifies that disinfection must comply with all applicable sections of Title 22.

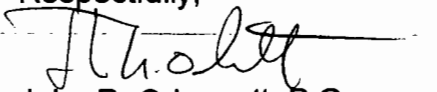
Indexing Letter	Facility	Date	Value in MPN/100mL
A	Oso Creek	September 13, 2015	540
B	RR	September 16, 2015	>1,600
C	CTP	November 30, 2015	>1,600

The next monitoring report required to be submitted is the October 2016 monthly monitoring report, which is due by November 30, 2016.

Please continue to implement follow-up actions necessary to ensure that the violation(s) noted above do not occur in the future. These violations may subject SOCWA to possible further enforcement action by the San Diego Water Board including but not limited to: administrative enforcement orders requiring the City to cease and desist from violations, or administrative assessments of civil liabilities in amounts of up to \$5,000 per day per violation; referral to the State Attorney General for injunctive relief; and referral to the District Attorney for criminal prosecution.

In the subject line of any response, please include reference **257591: BBushnell**. Please contact Mr. Brandon Bushnell at (619) 521-8044, or at brandon.bushnell@waterboards.ca.gov if you have any questions or comments.

Respectfully,


 John R. Odermatt, P.G.,
 Senior Engineering Geologist
 Land Discharge Unit

JRO: oo: bb

Tech Staff Info & Use

Place ID SEL Reg. Measure ID Violation IDs	257591 410163 1A)1014712, 1B)1014717, 1C)1014715, 1D)1014726, 1E)1014728, 1F)1014756, 1G)1014757, 1H)1014762, 1I)1014763, 1J)1014766, 1K)1014767, 1L)1014806, 1M)1014808, 1N)1014809, 1O)1014819, 1P)1014921, 1Q)1014812, 1R)1014820, 1S)1014821, 1T)1014830, 1U)1014822, 1V)1014823, 1W)1014826, 1X)1014827, 1Y)1014828, 1Z)1014829, 1AA)1014832, 1AB)1014833, 1AC)1014925, 1AD)1014834, 1AE)1014835, 1AF)1014837, 1AG)1014838, 1AH)1014839, 2A)1014695, 2B)1014699, 2C)1014709, 2D)1014716, 2E)1014724, 2F)1014754, 2G)1014761, 2H)1014765, 2I)1014919, 2J)1014922, 2K)1014811, 3A)1014760, 3B)1014700, 3C)1014703, 3D)1014706, 3E)1014711, 3F)1014713, 3G)1014714, 3H)1014730, 3I)1014748, 3J)1014915, 3K)1014916, 3L)1014807, 3M)1014842, 4A)1014668, 4B)1014702, 4C)1014831, 4D)1014924, 5A)1014719, 5B)1014721, 5C)1014722, 5D)1014723, 6A)1014710, 6B)1014718, 6C)1014720, 6D)1014824, 6E) 1015371, 8A)1014749, 8B)1014758, 8C)1014764
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